

# ILLINOIS HIGHWAY INFORMATION SYSTEM

## ROADWAY INFORMATION AND PROCEDURE MANUAL

ITEM NAME <b>RAILROAD CROSSING RIDEABILITY</b>					ITEM NO. <b>53</b>
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ENTERED BY	STATE	NON-STATE	HPMS	MUNI	EFFECTIVE DATE
<b>District 1 Programming</b>	<b>OPT</b>	<b>OPT</b>	<b>NA</b>	<b>OPT</b>	<b>11/01/00</b>
UPDATE REPORTS	UPDATE SCREENS				INQUIRY SCREENS
<b>(5) Reference Points</b>	<b>(5) Reference Points</b>				<b>(55) Reference Points</b>

### DESCRIPTION AND PURPOSE OF ITEM

This item indicates the quality of ride over a railroad at-grade crossing.

This information is used to prioritize and implement railroad crossing improvements.

This item can be determined by using instructions contained in the Office of Planning and Programming "Condition Rating Survey Manual". If in question, contact the District 1 Bureau of Programming.

Note: This item is recorded for railroad crossings in District 1 only.

### CODE AND SCREEN ENTRY INSTRUCTIONS

A 1-digit numeric code.

Enter the appropriate code.

#### Code

#### Description

- 6    Super smooth crossing almost unnoticeable at highway speeds.

Suggested speeds:    URBAN - unnoticeable at 30 mph  
                              RURAL - unnoticeable at 50 mph

- 5    A very slight bump - hardly noticed by occupants.

Suggested speeds:    URBAN - slight bump - comfortable at 30 mph  
                              RURAL - slight bump - comfortable at 50 mph

Comments: Smooth, solid, not worn, above average ride (excellent condition).

- 4    A bump felt, but not enough to seriously affect the car occupants.

Suggested speeds:    URBAN - noticeable but not uncomfortable at 30 mph  
                              RURAL - noticeable but not uncomfortable at 50 mph

Comments: Little rough but crossing solid, worn, average degree of roughness, some vibrations (good condition).

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### CODE AND SCREEN ENTRY INSTRUCTIONS

#### Code

#### Description

- 3 Noticeable Jar - uncomfortable but not severe - car should be slowed down for safety.  
Suggested speeds: URBAN - uncomfortable - sharp jar at 30 mph  
RURAL - uncomfortable - sharp jar at 50 mph

Comments: Crossing loose, rough, loose hardware, area between tracks broken up causing rough ride (fair condition).

- 2 Very uncomfortable - car is noticeably jolted or shaken - car definitely has to be slowed down to cross tracks.  
Suggested speeds: URBAN - crossing should not be driven at normal posted speeds (10-15 mph max)  
RURAL - crossing should not be driven at normal posted speeds (25-30 mph max)

Comments: Crossing broken - rough, area between tracks - pot holed, surface too high, too low (poor condition).

- 1 Car is severely jolted - should be traversed at a speed less than 10 mph.  
Suggested speeds: URBAN - car must be nearly stopped. (10 mph max)  
RURAL - car must be nearly stopped. (10 mph max)

Comments: Crossing broken - loose, rotted or missing ties; high, loose or low rails(bad condition).

- 0 Unknown/not determined/not applicable